

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) In a data processing system having a
5 user terminal operated by a user, the improvement comprising:

a. a data base management system having a data base which
executes an ordered sequence of command language script which
performs a plurality of data base management functions to modify
data within said data base coupled to said user terminal via a
10 publicly accessible digital data communication network;

b. wherein said user terminal builds and stores within said
data base for future use a service request specifying [[a]] said
plurality of data base management functions for utilizing [[a]]
said data base management system to modify data from said data
15 base; and

c. a Data Wizard within said data base management system
which permits said user to build said service request as a table
~~defined by~~ which defines an ordered sequence of discrete and
independent sub tables [[which]] wherein said sub tables define
20 steps; each of [[which]] said steps having its own encapsulated
environment permitting each of said steps to be created and
edited independently of any other step and wherein information
stored for any one step does not interact with or interfere with
information stored for another step, and wherein each of said

steps ~~corresponding~~ corresponds to a different portion of said ordered sequence of command language script and wherein said Data Wizard presents a plurality of valid steps as choices for addition at each position in said ~~plurality~~ ordered sequence of discrete and independent sub tables.

2. (Previously Presented) The improvement according to claim 1 wherein said publicly accessible digital data communication network further comprises the Internet.

3. (Original) The improvement according to claim 2 wherein said user terminal further comprises an industry compatible personal computer having a commercially available browser.

4. (Currently Amended) The improvement according to claim 3 wherein said Data Wizard automatically inhibits presentation of any step which would not be valid for the corresponding position within said ordered sequence of discrete and independent sub tables.

5. (Previously Presented) The improvement according to claim 4 wherein said data base management system is a commercially available data base management system.

6. (Currently Amended) An apparatus comprising:

a. a user terminal;

b. a data base management system which executes an ordered sequence of command language script to modify data within a

5 data base responsively coupled to said user terminal via a publicly accessible digital data communication network; and

c. a Data Wizard responsively coupled to said user terminal and located within said data base management system which

permits a user to build for future use a service request to

10 perform at least one data base management function from said

user terminal in accordance with an ordered sequence of

discrete and independent steps corresponding to said ordered sequence of command language script to modify data within

said data base and which presents a plurality of valid steps

15 as choices for addition to said ordered sequence of discrete and independent steps wherein each of said ordered sequence

of discrete and independent steps exists within its own

encapsulated environment such that each of said ordered

sequence of discrete and independent steps may be user

20 created and modified independently of others of said ordered

sequence of discrete and independent steps.

7. (Previously Presented) The apparatus of claim 6 wherein said publicly accessible digital data communication network further comprises the Internet.

5 8. (Currently Amended) The apparatus of claim 7 wherein said Data Wizard automatically inhibits presentation of any invalid step for any given one of said ordered sequence of discrete and independent steps.

10 9. (Original) The apparatus of claim 8 wherein said user terminal further comprises an industry compatible personal computer containing a web browser.

10. (Previously Presented) The apparatus of claim 9 wherein
15 said data base management system further comprises a commercial data base management system.

11. (Currently Amended) A method of dynamically building a service defined by a table which specifies at least one data base
20 management function to change data within a data base from a user terminal coupled via a publicly accessible digital data network to a remote data base management system which responds to an ordered sequence of command language script having a component building process comprising:

- a. selecting from a larger plurality of potential steps and presenting a first plurality of potential steps for changing data within said data base which are valid for a first position in an ordered sequence of steps which
5 define said service;
- b. modifying a chosen one of said first plurality of potential steps using a Data Wizard by editing said
chosen one of said first plurality of potential steps;
- c. inserting said chosen one of said first plurality of
10 potential steps into said ordered sequence of steps;
- d. selecting from said larger plurality of potential steps and presenting a second plurality of potential steps which are valid for a next position in said ordered sequence of steps;
- 15 e. modifying a chosen one of said second plurality of potential steps using a Data Wizard;
- f. inserting said chosen one of said second plurality of potential steps modified by step e into said ordered sequence of steps;
- 20 g. repeating steps c and d until said service is complete;
and
- h. storing said completed service within said remote data base management system for future use.

12. (Previously Presented) A method according to claim 11 further wherein each of said presenting steps automatically inhibits presentation of any potential step which is not valid for said next position within said ordered sequence of steps..

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13. (Previously Presented) A method according to claim 12 wherein said publicly accessible digital data communication network further comprises the world wide web.

10 14. (Original) A method according to claim 13 wherein said user terminal further comprises an industry compatible personal computer.

15 15. (Previously Presented) A method according to claim 14 wherein said remote data base management system further comprises a commercial data base management system.

16. (Currently Amended) An apparatus comprising:

- 20 a. permitting means for permitting a user to access a publicly accessible digital data communication network;
- b. providing means responsively coupled to said permitting means via said publicly accessible digital data communication network for providing data base management services to modify data within a data base in accordance with a service

corresponding to an ordered sequence of command language script;

c. designing means responsively coupled to said permitting means and located within said providing means for designing
5 said service to modify said data within said data base through specification of an ordered plurality of discreet and independent steps;

d. presenting means responsively coupled to said designing means for presenting a plurality of valid potential steps for
10 selection of each of said ordered plurality of discreet and independent steps wherein each of said ordered plurality of discreet and independent steps is encapsulated into its own environment such that said each of said ordered plurality of discreet and independent steps may be created and modified by
15 a user independently of others of said ordered plurality of discreet and independent steps; and

e. storing means for storing said service within said data base for future use.

20 17. (Previously Presented) An apparatus according to claim 16 wherein said presenting means further comprises inhibiting means for inhibiting presentation of any step which is invalid for a corresponding position within said ordered plurality of discreet and independent steps.

18. (Previously Presented) An apparatus according to claim 17 wherein said publicly accessible digital data communication network further comprises the Internet.

5 19. (Previously Presented) An apparatus according to claim 18 wherein said providing means further comprises a commercial data base management system.

10 20. (Original) An apparatus according to claim 19 wherein said permitting means further comprises an industry standard personal computer.